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In re the Application of: **Shingo YAMAGUCHI et al.**

Group Art Unit: **2121**

Application Number: **10/766,043**

Examiner: **Thomas K. Pham**

Filed: **January 29, 2004**

Confirmation Number: **2574**

For: **WORKING CONTROL DEVICE**

Attorney Docket Number: **042058**

Customer Number: **38834**

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §1.97(c)(1)/(e)(1)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

April 26, 2006

Sir:

Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached Form PTO/SB/08. A copy of each non - U.S. document is attached.

This Information Disclosure Statement (IDS) is being submitted after issuance of a first official action on the merits and expiration of the three month period following the filing date or the entry of the national stage for the above-captioned application, but prior to issuance of either a final official action or a Notice of Allowance.


The undersigned hereby certifies that each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS. A copy of the foreign communication citing the documents is attached.

Information Disclosure Statement under 1.97(c)(1)  
Attorney Docket No. 042058  
Application No. 10/766,043

Each listed document was cited in a communication from a foreign patent office and the communication was not received by any person defined in 37 C.F.R. §1.56(c) more than 30 days before filing of this paper.

If there are any fees due in connection with the filing of this paper, please charge Deposit Account No. 50-2866.

Respectfully submitted,  
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MJC/mra

Enclosures: PTO/SB/08  
European Search Report  
14 Documents

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	1	Application Number	10/766,043
				Confirmation Number	2574
				Filing Date	January 29, 2004
				First Named Inventor	Shingo YAMAGUCHI et al.
				Art Unit	2121
				Examiner Name	Thomas K. Pham
				Attorney Docket Number	042058

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
	1	US 2001/0000805	A1	05-03-2001	Kadono
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	2	EP	0 881 034	A1	12-02-1998	Kabushiki Kaisha Mori Seiki Seisakusho	
	3	EP	0 501 494	A2	09-02-1992	Sony Corporation	
	4	EP	0 913 229	A1	05-06-1999	Makino Milling Machine Co. Ltd.	
	5	EP	0 664 186	A1	07-26-1995	Omron Corporation	
	6	JP	60-127946	A	07-08-1985	Fanuc Ltd.	Abstract
	7	EP	1 087 277	A2	03-28-2001	Rolls Royce PLC	
	8	EP	1 132 789	A2	09-12-2001	Mitsubishi Denki Kabushiki Kaisha	
	9	EP	0 198 927	A1	10-29-1986	Fanuc Ltd.	
	10	JP	01-216745	A	08-30-1989	Toyoda Mach Works Ltd.	Abstract

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
	11	European Search Report dated February 10, 2006	
	12	YUAN-JYE TSENG ET AL: "Recognizing Multiple Interpretations of Interacting Machining Features" Computer Aided Design, Elsevier Publishers BV., Barking, GB, Vol. 26, No. 9, 1 September 1994 (1994-09-01), pages 667-688.	
	13	VAN DEN BERG E ET AL: "Freeform feature modeling: concept and prospects" Computers in Industry, Elsevier Science Publishers. Amsterdam, NL, Vol. 49, No. 2, October 2002 (2002-10), pages 217-233.	
	14	FERREIRA J C E ET AL: "Convex Hull-Based Feature-Recognition Method for 2.5D Components" Computer Aided Design, Elsevier Publishers BV., Barking GB, Vol. 22, No. 1, January 1990 (1990-01), pages 41-49.	
	15	M C Wu ET AL: "Analysis on machined feature recognition techniques based on B-rep" Computer Aided Design, Elsevier Publishers BV., Barking, GB, Vol. 28, No. 8, August 1996 (1996-08), pages 603-316.	
	16	SURESH K ET AL: "Constant Scallop-Height Machining of Free-Form Surfaces" Transactions of the American Society of Mechanical Engineers, Series B: Journal of Engineering for Industry, ASME. New York, US, Vol. 116, No. 2. 1 May 1994(1994-05-01), pages 253-259.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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